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Product Data Sheet



E-SAFE®

Environmentally-Safe Cleaner

- ◆ **Meets or exceeds US EPA Testing Guidelines for approval for and acceptance to the NCP Product Schedule**
- ◆ **0-0-0 Hazmat Rated**
- ◆ **Quickly and effectively treats multiple types of hydrocarbon runoff**
- ◆ **Reduces treatment time for water**
- ◆ **PPE recommended, but not required for storage, application or disposal**
- ◆ **Safely dispose in sanitary sewers as already approved by municipal and utility district personnel**
- ◆ **Contains no "bio-bugs" or detergents**

E-SAFE® Environmentally Safe Cleaner is the best product choice for hydrocarbon removal that is available in the marketplace today and is widely accepted in all areas of hydrocarbon remediation.

E-SAFE® is used for the remediation of soil contaminated by fuel spills, gasoline or diesel. After all recoverable hydrocarbon is pumped away or mopped off, spray the contaminated area with E-SAFE® until the ground surface is moist. A pump-up 2-5 gallon sprayer is the preferred E-SAFE® delivery system for small areas of contamination. Large areas are best treated with a vehicle mounted spray

system. After application of the E-SAFE® allow to penetrate so that the flashpoint of the vapors is eliminated, then soak the area with water. E-SAFE® is infinitely soluble. The water will assist the deep penetration of E-SAFE® into the soil. E-SAFE® will break the hydrocarbon chain on contact. The resulting hydrocarbon factions become nutrients for naturally occurring bacteria in the soil. When the bacteria consume the hydrocarbon factions all contamination is neutralized and eliminated.

Traffic accident sites, particularly sites adjoining gutters that flow into storm sewers, should be liberally soaked with E-SAFE®. E-SAFE® will knock down the flashpoint. The runoff of E-SAFE® into the storm drain will retard fuel ignition in the drainage system and will begin to remove any grease deposits in the conduit. The asphalt or concrete surface treated with E-SAFE® will have no film or residue after the treated area is rinsed with clean water or rainwater.

E-SAFE® may be used on wet roadways and may be applied in rainy or frozen conditions. The rainfall or ice melt will assist the biological activity resulting from the E-SAFE® application in the same way described in the preceding paragraph.

Hydrocarbon drips, leaks or spills inside structures are treated the same as traffic accident spills. Using a hydrocarbon absorbent boom, rag or wipe mop up all possible hydrocarbon in the contaminated area. Spray the area with E-SAFE®, then hose or mop the treated area. No film or residue will remain. Flash danger is eliminated.

Shop floors that are hard to clean and maintain, and adjacent hallways, walls, and entryways may be cleaned of oil and grease accumulations. Rough textured surfaces such as broom finished concrete or asphalt walkways and ramps should be sprayed with E-SAFE®, scrubbed with a deck brush if

the concentration is extra heavy, and then rinsed with a hose or pressure washer. Smooth surfaces such as smooth concrete, epoxy, linoleum, tile, terrazzo or vinyl can be mopped with a solution of one cup E-SAFE® to one bucket of hot water. No film or residue should remain. This treatment will greatly reduce or eliminate the danger of personal injury from slip and fall accidents.

Vehicle repair service pits and floors, fuel drop areas, fuel loading racks and storage areas, refuse bin areas, institutional and commercial kitchens and bath or shower areas, walk-in coolers, bakeries and delis, and slaughter houses all have something in common. They all suffer from accumulations of oil and grease, either hydrocarbon, animal or vegetable based, sugars, yeasts, mold or mildew. E-SAFE® effectively controls all of these problems with a simple spray, wipe and clean water rinse. Yeast, mold and mildew are killed on contact. Sugar like all oil and grease is reduced to non-hazardous factions.

E-SAFE® is accepted by municipal and utility district waste water systems for discharge into the waste stream. E-SAFE® is recommended as a pretreatment for all approved industrial or commercial waste streams. E-SAFE® increases the biological activity in the waste stream. This increased activity aids the treatment plant process. Any stream suspected of containing hydrocarbon contamination should be run through a water separator system before discharge. Always consult Local Code and Company Environmental and Safety Policy before any discharge.

Heavy mold and mildew accumulations on exterior surfaces should be sprayed with E-SAFE®, then rinsed with a pressure washer. The rinse will provide extra protection against mold and mildew reappearance if one gallon E-SAFE® is added to 200 gallons of rinse water.